

PCT09

RAW SEQUENCE LISTING

DATE: 12/19/2001

PATENT APPLICATION: US/09/980,058

TIME: 15:47:23

Input Set : A:\002594wo.app

Output Set: N:\CRF3\12192001\I980058.raw

ENTERED

3 <110> APPLICANT: KERN, Florian
 5 <120> TITLE OF INVENTION: Peptides for Vaccinating Against Human CMV
 7 <130> FILE REFERENCE: pp65/MIE2000
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/980,058
 C--> 10 <141> CURRENT FILING DATE: 2001-11-28
 12 <150> PRIOR APPLICATION NUMBER: DE 19927039
 13 <151> PRIOR FILING DATE: 1999-06-04
 15 <150> PRIOR APPLICATION NUMBER: DE 19943702
 16 <151> PRIOR FILING DATE: 1999-09-07
 18 <160> NUMBER OF SEQ ID NOS: 33
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 15
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Artificial Sequence
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
 27 against HCMV
 29 <400> SEQUENCE: 1
 30 Gln Thr Met Leu Arg Lys Glu Val Asn Ser Gln Leu Ser Leu Gly
 31 1 5 10 15
 33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 15
 35 <212> TYPE: PRT
 36 <213> ORGANISM: Artificial Sequence
 38 <220> FEATURE:
 39 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
 40 against HCMV
 42 <400> SEQUENCE: 2
 44 Ala Arg Ala Lys Lys Asp Glu Leu Arg Arg Lys Met Met Tyr Met
 45 1 5 10 15
 47 <210> SEQ ID NO: 3
 48 <211> LENGTH: 10
 49 <212> TYPE: PRT
 50 <213> ORGANISM: Artificial Sequence
 52 <220> FEATURE:
 53 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
 54 against HCMV
 56 <400> SEQUENCE: 3
 58 Asp Glu Leu Arg Arg Lys Met Met Tyr Met
 59 1 5 10
 62 <210> SEQ ID NO: 4
 63 <211> LENGTH: 15
 64 <212> TYPE: PRT
 65 <213> ORGANISM: Artificial Sequence
 67 <220> FEATURE:
 68 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
 69 against HCMV

RAW SEQUENCE LISTING

DATE: 12/19/2001

PATENT APPLICATION: US/09/980,058

TIME: 15:47:23

Input Set : A:\002594wo.app

Output Set: N:\CRF3\12192001\I980058.raw

```

71 <400> SEQUENCE: 4
73 Glu Leu Arg Arg Lys Met Met Tyr Met Cys Tyr Arg Asn Ile Glu
74 1 5 10 15
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 15
78 <212> TYPE: PRT
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
83 against HCMV
85 <400> SEQUENCE: 5
87 Glu Phe Cys Arg Val Leu Cys Cys Tyr Val Leu Glu Glu Thr Ser
88 1 5 10 15
90 <210> SEQ ID NO: 6
91 <211> LENGTH: 9
92 <212> TYPE: PRT
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
97 against HCMV
99 <400> SEQUENCE: 6
101 Cys Arg Val Leu Cys Cys Tyr Val Leu
102 1 5
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 9
106 <212> TYPE: PRT
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
111 against HCMV
113 <400> SEQUENCE: 7
115 Arg Val Leu Cys Cys Tyr Val Leu Glu
116 1 5
118 <210> SEQ ID NO: 8
119 <211> LENGTH: 9
120 <212> TYPE: PRT
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
125 against HCMV
127 <400> SEQUENCE: 8
129 Val Leu Cys Cys Tyr Val Leu Glu Glu
130 1 5
132 <210> SEQ ID NO: 9
133 <211> LENGTH: 9
134 <212> TYPE: PRT
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine

```

RAW SEQUENCE LISTING

DATE: 12/19/2001

PATENT APPLICATION: US/09/980,058

TIME: 15:47:23

Input Set : A:\002594wo.app

Output Set: N:\CRF3\12192001\I980058.raw

```

139      against HCMV
141 <400> SEQUENCE: 9
143 Glu Leu Arg Arg Lys Met Met Tyr Met
144  1          5
146 <210> SEQ ID NO: 10
147 <211> LENGTH: 9
148 <212> TYPE: PRT
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
153      against HCMV
155 <400> SEQUENCE: 10
157 Asp Glu Leu Arg Arg Lys Met Met Tyr
158  1          5
160 <210> SEQ ID NO: 11
161 <211> LENGTH: 15
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
167      against HCMV
169 <400> SEQUENCE: 11
171 Cys Asn Glu Asn Pro Glu Lys Asp Val Leu Ala Glu Leu Val Lys
172  1          5          10          15
174 <210> SEQ ID NO: 12
175 <211> LENGTH: 15
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
181      against HCMV
183 <400> SEQUENCE: 12
185 Leu Val Lys Gln Ile Lys Val Arg Val Asp Met Val Arg His Arg
186  1          5          10          15
188 <210> SEQ ID NO: 13
189 <211> LENGTH: 15
190 <212> TYPE: PRT
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
195      against HCMV
197 <400> SEQUENCE: 13
199 Ala Ala Asn Lys Lys Gly Gly Ala Leu Gln Ala Lys Ala Arg Ala
200  1          5          10          15
203 <210> SEQ ID NO: 14
204 <211> LENGTH: 10
205 <212> TYPE: PRT
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 12/19/2001

PATENT APPLICATION: US/09/980,058

TIME: 15:47:23

Input Set : A:\002594wo.app

Output Set: N:\CRF3\12192001\I980058.raw

209 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
 210 against HCMV
 212 <400> SEQUENCE: 14
 214 Asp Glu Leu Arg Arg Lys Met Met Tyr Met
 215 1 5 10
 217 <210> SEQ ID NO: 15
 218 <211> LENGTH: 15
 219 <212> TYPE: PRT
 220 <213> ORGANISM: Artificial Sequence
 222 <220> FEATURE:
 223 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
 224 against HCMV
 226 <400> SEQUENCE: 15
 228 Val Thr Ser Asp Ala Cys Met Met Thr Met Tyr Gly Gly Ile Ser
 229 1 5 10 15
 231 <210> SEQ ID NO: 16
 232 <211> LENGTH: 15
 233 <212> TYPE: PRT
 234 <213> ORGANISM: Artificial Sequence
 236 <220> FEATURE:
 237 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
 238 against HCMV
 240 <400> SEQUENCE: 16
 242 Met Ser Ile Tyr Val Tyr Ala Leu Pro Leu Lys Met Leu Asn Ile
 243 1 5 10 15
 245 <210> SEQ ID NO: 17
 246 <211> LENGTH: 15
 247 <212> TYPE: PRT
 248 <213> ORGANISM: Artificial Sequence
 250 <220> FEATURE:
 251 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
 252 against HCMV
 254 <400> SEQUENCE: 17
 256 Val Tyr Ala Leu Pro Leu Lys Met Leu Asn Ile Pro Ser Ile Asn
 257 1 5 10 15
 259 <210> SEQ ID NO: 18
 260 <211> LENGTH: 9
 261 <212> TYPE: PRT
 262 <213> ORGANISM: Artificial Sequence
 264 <220> FEATURE:
 265 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
 266 against HCMV
 268 <400> SEQUENCE: 18
 270 Ala Leu Pro Leu Lys Met Leu Asn Ile
 271 1 5
 273 <210> SEQ ID NO: 19
 274 <211> LENGTH: 15
 275 <212> TYPE: PRT
 276 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

DATE: 12/19/2001

PATENT APPLICATION: US/09/980,058

TIME: 15:47:23

Input Set : A:\002594wo.app

Output Set: N:\CRF3\12192001\I980058.raw

```

278 <220> FEATURE:
279 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
280     against HCMV
282 <400> SEQUENCE: 19
284 His Ile Met Leu Asp Val Ala Phe Thr Ser His Glu His Phe Gly
285 1             5             10             15
287 <210> SEQ ID NO: 20
288 <211> LENGTH: 15
289 <212> TYPE: PRT
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
294     against HCMV
296 <400> SEQUENCE: 20
298 Asp Val Ala Phe Thr Ser His Glu His Phe Gly Leu Leu Cys Pro
299 1             5             10             15
301 <210> SEQ ID NO: 21
302 <211> LENGTH: 9
303 <212> TYPE: PRT
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
308     against HCMV
310 <400> SEQUENCE: 21
312 Val Ala Phe Thr Ser His Glu His Phe
313 1             5
315 <210> SEQ ID NO: 22
316 <211> LENGTH: 9
317 <212> TYPE: PRT
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
322     against HCMV
324 <400> SEQUENCE: 22
326 Ala Phe Thr Ser His Glu His Phe Gly
327 1             5
329 <210> SEQ ID NO: 23
330 <211> LENGTH: 15
331 <212> TYPE: PRT
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: Description of Artificial Sequence: Vaccine
336     against HCMV
338 <400> SEQUENCE: 23
340 Ala Asn Asp Ile Tyr Arg Ile Phe Ala Glu Leu Glu Gly Val Trp
341 1             5             10             15
343 <210> SEQ ID NO: 24
344 <211> LENGTH: 15
345 <212> TYPE: PRT

```

VERIFICATION SUMMARY

DATE: 12/19/2001

PATENT APPLICATION: US/09/980,058

TIME: 15:47:24

Input Set : A:\002594wo.app

Output Set: N:\CRF3\12192001\I980058.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date